

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-11 (cancelled).

Claim 12 (previously presented) A method for adjusting cognitive function of a postnatal human comprising the steps of:

determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones each sequence being repeated at a predetermined tempo; and

transmitting each of said sequences of tones in a soundwave form to said human during a predetermined period,

wherein a tempo at which each subsequent said sequence of tones is repeated is selected to be increased or decreased during the predetermined period thereby adjusting cognitive function of the postnatal human and said tones in said pattern of sonic variations are an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone.

Claim 13 (cancelled).

Claim 14 (original) The method of claim 12 further comprising the step of: storing said pattern of sonic variations in an electronic integrated circuit.

Claim 15 (original) The method of claim 14 wherein said transmitting step comprises transmitting said stored plurality of patterns from said electronic integrated circuit to said human with a sonic transducer.

Claim 16 (cancelled).

Claim 17 (currently amended) A method for improving the cognitive function of a premature baby comprising the steps of:

determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo; and

transmitting each of said sequences of tones in soundwave form to said premature

baby during a predetermined period,

wherein a tempo at which each subsequent said sequence of tones is repeated is selected to be increased during the predetermined period thereby improving the cognitive function of the premature baby and said tones in said pattern of sonic variations are an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone.

Claim 18 (cancelled).

Claim 19 (original) The method of claim 17 further comprising the step of:
storing said pattern of sonic variations in an electronic integrated circuit.

Claim 20 (original) The method of claim 19 wherein said transmitting step comprises:

transmitting said stored plurality of patterns from said electronic integrated circuit to said premature baby with a sonic transducer.

Claims 21-32 (cancelled).

Claim 33 (currently amended) A system for adjusting cognitive function of a postnatal human comprising:

means for determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period; and

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period,

wherein said tones in said pattern of sonic variations are ~~a~~ an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone in which subsequent sequences increase or decrease in tempo.

Claim 34 (original) The system of claim 32 further comprising:

means for storing said pattern of sonic variations in an electronic integrated circuit.

Claim 35 (original) The system of claim 34 wherein means for transmitting comprises said stored plurality of patterns from said electronic integrated circuit to said

human with a sonic transducer.

Claim 36 (currently amended) A system for adjusting cognitive function of a postnatal human comprising:

means for determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo, said tones in said pattern of sonic variations are an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period;

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period; and

means for positioning a transmission means proximate to a forehead of said human and transmitting said sequence of tones aurally thereby adjusting cognitive function of the postnatal human.

Claim 37 (currently amended) A system for increasing cognitive function of a premature baby comprising:

means for determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo, said tones in said pattern of sonic variations are an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone in which subsequent sequences increase in tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time; and

means for transmitting each of said sequences of tones in soundwave form to said premature baby thereby improving the cognitive function of the premature baby.

Claim 38 (original) The system of claim 37 wherein said tones in said pattern of sonic variations are a baseline tone or a tonal variation from said baseline tone in which subsequent sequences increase in tempo.

Claim 39 (original) The system of claim 37 further comprising:

means for storing said pattern of sonic variations in an electronic integrated circuit.

Claim 40 (original) The system of claim 39 wherein said means for transmitting comprises transmitting said stored plurality of patterns from said electronic integrated circuit to said premature baby with a sonic transducer.

Claims 41-43 (cancelled).
